

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011929**Date Inspected:** 13-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai,China**CWI Name:** Mr.Aan Qing Xiang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Nagalingam Pandaram Pillai was present during the times noted above for observations relative to the work being performed.

**IN PROCESS INSPECTION:-****BAY #11:-**

This QA inspector observed the following work in progress:

FCAW Welding of weld joint no:WSTL4-2B/L-58A/B located on "BC" Corner Seam. Welder is identified as 053316. ZPMC CWI is identified as Mr.Peng Guo. Welding was been performed against Welding Repair Report T-WR2967 and UT report number- T787-UT-2575.The welding variables recorded by QC appeared to comply with the WPS-345-FCAW-1G(1F)-Repair.

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: ESD1-TL5-2B/F-16A located on "CD" Corner Seam. Welder is identified as 040733.ZPMC CWI is identified as Mr.Aan Qing Xiang. The welding variables recorded by QC appeared to comply with the WPS-B-T-3212-TC-U4b-1.

This QA inspector observed the following work in progress:

SMAW welding of weld joint no: ESD1-TL5-2B/F-40A located on "DE" Corner Seam. Welder is identified as 040656.ZPMC CWI is identified as Mr.Aan Qing Xiang. The welding variables recorded by QC appeared to comply with the WPS-B-T-3211-TC-U4b-1.

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## WELDING INSPECTION REPORT

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This QA inspector observed the following work in progress:

FCAW welding of weld joint no:WSTL4-2C/L-60 located on “DE” Corner Back Fill Plate. Welder is identified as 040723.ZPMC CWI is identified as Mr.Liu Xiao Zhong. The welding variables recorded by QC appeared to comply with the WPS-B-T-4332-TC-P4-F.

SMAW welding of weld joint no:WSTL4-2K/L-118 located on “DE” Corner Back Fill Plate. Welder is identified as 040611.ZPMC CWI is identified as Mr.Li Lin. The welding variables recorded by QC appeared to comply with the WPS-B-T-3212-B-U2a.

Unless otherwise noted, all work observed on this date appeared to generally comply with the applicable contract documents.

### Summary of Conversations:

No Relevant Conversation.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Skyler Guest - 15000422360, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Pillai,Pandaram	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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